

08-20-1999

PATENT
Attorney Docket No.: UM-03706

Form PTO-1595

8.16.99



101122369

U.S. Department of Commerce
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Mark A. Burns
Carlos H. Mastrangelo
Timothy S. Sammarco

Additional name(s) of conveying party(ies) attached? Yes

2. Name and address of receiving party(ies):

The Regents Of The University Of Michigan
3003 South State Street
Ann Arbor, Michigan 48109-1280

Additional name(s) & address(es) attached? No

3. Nature of conveyance:
Assignment

Execution Date: 1/10/96

4. Title of Invention: **Microscale Devices And Reactions In Microscale Devices**
Application number(s) or patent number(s):

A. Patent Application No.(s):

09/271,963

B. Patent No.(s):

Additional numbers attached? No

5. Name and address of party to whom correspondence concerning document should be mailed:

Peter G. Carroll
MEDLEN & CARROLL, LLP
220 Montgomery Street, Suite 2200
San Francisco, California 94104

6. Total number of applications and patents involved: 1

7. Total fee(s):

Check in the amount of \$295.00 is enclosed
(Consisting of \$65.00 surcharge for filing missing
parts, \$40.00 recordation fee, and \$190.00 for two
month extention fee).

8. Deposit Account Authorization:

The Commissioner is hereby authorized to charge
any additional fees or credit any overpayment to
Deposit Account No. 08-1290. An originally
executed duplicate of this transmittal is enclosed
for this purpose.

08/16/1999 MMARNDL 00000095 09271963

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40.00 DP

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9. Statement and Signature:

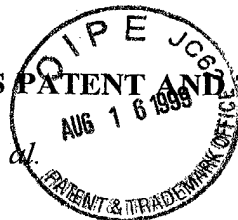
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Date: August 12, 1999

Signature:

Name: Peter G. CarrollReg. No.: 32,837

Total number of pages including cover sheet, attachments, and document: 5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re Application of: Mark A. Burns *et al.*

Serial No.: 09/271,963

Filed: 03/18/99

Entitled: **Microscale Devices And Reactions In Microscale Devices**

Group No.: 1643

Examiner:

Form PTO-1595 RECORDATION FORM COVER SHEET (CONT.)

Additional Name of conveying party(ies):

Francis P. Man
James R. Webster
Brian N. Johnson
Bradley Foerster
Darren Jones
Yakeitha Fields
Adam Kaiser
David T. Burke

The attached ASSIGNMENT IS
to be used for Divisional App^l
Serial No.: 09/271,963
Filed: 3/18/99

PATENT
Attorney Docket No.: UM-00975

ASSIGNMENT

WHEREAS, WE, MARK A. BURNS, CARLOS H. MASTRANGELO, TIMOTHY S. SAMMARCO, FRANCIS P. MAN, JAMES R. WEBSTER, BRIAN N. JOHNSON, BRADLEY FOERSTER, DARREN JONES, YAKEITHA FIELDS, ADAM KAISER and DAVID T. BURKE for MICROSCALE DEVICES AND REACTIONS IN MICROSCALE DEVICES, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: MICROSCALE DEVICES AND REACTIONS IN MICROSCALE DEVICES

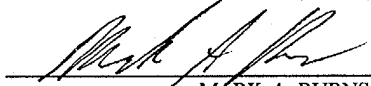
Date of Execution: _____ Filing Date: 09/15/95 Serial No.: 08/529,293


WHEREAS, THE UNIVERSITY OF MICHIGAN, a corporation of the State of Michigan, 3003 South State Street, Ann Arbor, Michigan 48109-1280, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;


NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to Assignors by Assignee, receipt of which is hereby acknowledged, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee, and Assignee's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any Letters Patent.

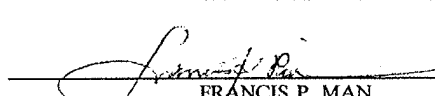
Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

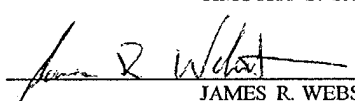
IN TESTIMONY WHEREOF, Assignors have hereunto signed their names to this assignment on the dates indicated below.


MARK A. BURNS

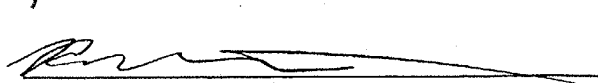

CARLOS H. MASTRANGELO


TIMOTHY S. SAMMARCO


FRANCIS P. MAN


JAMES R. WEBSTER



BRIAN N. JOHNSON


BRADLEY FOERSTER


DARREN JONES


YAKEITHA FIELDS


ADAM KAISER

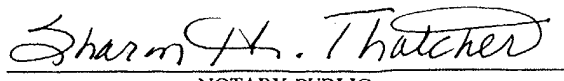

DAVID T. BURKE

STATE OF Michigan
COUNTY OF Washtenaw

SS.

On this 10th day of January, in the year of 1996, before me, the undersigned notary public, personally appeared the above-named Assignors, known to me (or proved to me on the basis of satisfactory evidence) to be the persons whose names are subscribed to the within instrument, and acknowledged that they executed the same.

SHARON H. THATCHER
Notary Public, Monroe County, MI
My Commission Expires Aug. 7, 1996
Acting in Washtenaw County, MI


NOTARY PUBLIC

SEAL

THE ATTACHED DECLARATION IS
to be used for Divisional Appl.:
Serial No.: 09/271,963
Filed: 3/18/99

PATENT
Attorney Docket No. UM-00975

Full Name of Ninth Joint Inventor: **YAKEITHA FIELDS**

Inventor's Signature: Yakeitha R. Fields
Residence: 1976 Traver, Apt. 103, Ann Arbor, Michigan 48105

Date: 1/10/96
Citizenship: United States of America

Full Name of Tenth Joint Inventor: **ADAM KAISER**

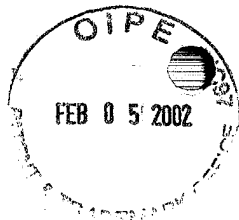
Inventor's Signature: Adam R. Kaiser
Residence: 1695 Broadway Road, #204, Ann Arbor, Michigan 48105

Date: 1/10/96
Citizenship: United States of America

Full Name of Eleventh Joint Inventor: **DAVID T. BURKE**

Inventor's Signature: David T. Burke
Residence: 1330 White Street, Ann Arbor, Michigan 48104

Date: 1/10/96
Citizenship: United States of America



um-3706 URM
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

OCTOBER 20, 1999

PTAS

MEDLEN & CARROLL, LLP
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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/16/1999

REEL/FRAME: 010172/0119
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BURNS, MARK A.

DOC DATE: 01/10/1996

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DOC DATE: 01/10/1996

ASSIGNOR:

SAMMARCO, TIMOTHY S.

DOC DATE: 01/10/1996

ASSIGNOR:

MAN, FRANCIS P.

DOC DATE: 01/10/1996

ASSIGNOR:

WEBSTER, JAMES R.

DOC DATE: 01/10/1996

ASSIGNOR:

JOHNSON, BRIAN N.

DOC DATE: 01/10/1996

ASSIGNOR:

FOERSTER, BRADLEY

DOC DATE: 01/10/1996

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MEDLEN & CARROLL

010172/0119 PAGE 2

ASSIGNOR:

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DOC DATE: 01/10/1996

ASSIGNOR:

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DOC DATE: 01/10/1996

ASSIGNOR:

KAISER, ADAM

DOC DATE: 01/10/1996

ASSIGNOR:

BURKE, DAVID T.

DOC DATE: 01/10/1996

ASSIGNEE:

REGENTS OF THE UNIVERSITY OF
MICHIGAN, THE
3003 SOUTH STATE STREET
ANN ARBOR, MICHIGAN 48109-1280

SERIAL NUMBER: 09271963

FILING DATE: 03/18/1999

PATENT NUMBER:

ISSUE DATE:

MAYA BENNETT, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS